



DEPARTMENT OF VETERANS AFFAIRS  
Hunter Holmes McGuire Medical Center  
1201 Broad Rock Boulevard  
Richmond VA 23249

September 29, 2014

In Reply Refer To: 652/138

Ms. Emilee Adamson  
Water Permits Manager  
DEQ Piedmont Regional Office  
4949-A Cox Road  
Glen Allen, VA 23060

Subj: 2014 MS4 Annual Report, General Permit VAR040116

Dear: Ms. Adamson:

Enclosed you will find the 2014 MS4 Annual Report. This annual report is submitted in accordance with Section II E. 3 of General Permit VAR040116.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or comments, please feel free to contact Isis Otero, GEMS Coordinator, at 804-675-5905, or by email at [Isis.Otero@va.gov](mailto:Isis.Otero@va.gov)

Sincerely,

A handwritten signature in black ink, appearing to read "Curt Rosenthal", is written over a circular stamp.

Curt Rosenthal CHCM, CHSP.  
Safety Manager

Attachments: 1



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Richmond VA 23249***

***ANNUAL MS4 REPORT FOR THE REPORTING PERIOD OF  
JULY 1, 2013 THROUGH JUNE 30, 2014  
GENERAL PERMIT # VAR040116 FOR DISCHARGES OF STORMWATER  
FROM SMALL MUNICIPAL SEPARATE  
STORM WATER SYSTEMS***

**Permit Section II. E. (3) (a)**

(1) Name and State Permit Number of the program submitting the annual report:	McGuire Veterans Affairs Medical Center Engineering Service General Permit No. VAR040116
(2) The annual report permit year	1 <sup>st</sup> year Reporting period: July 1, 2013 through June 30, 2014
(3) Modifications to any operator's department's roles and responsibilities	None
(4) Number of new MS4 outfalls and associated acreage by HUC added during the permit year	0
(5) Signed Certification	Refer to Transmittal Letter

**Permit Section II. E. (3) (b)**

Status of compliance with state permit conditions, an assessment of the appropriateness of the identified best management practices and progress towards achieving the identified measurable goals for each of the minimum control measures.	
Permit Condition Section I. B. (5)	This permit condition does not apply to McGuire. McGuire does not have approved total maximum daily loads (TMDL) other than the Chesapeake Bay TMDL.
Permit Condition Section I. C. (4)	The Chesapeake Bay Action Plan in accordance with Table 1 (page 1) was sent via e-mail to Ms. Emilee Adamson, MS4 Permit Manager on June 19, 2014. A hard copy was sent to the VDEQ – Piedmont Regional Office on June 24, 2014.
Permit Condition Section II. B. (1) (g) – Implementation of Minimum Control Measures- Public Education and Outreach on stormwater impacts	<p>McGuire Virginia Medical Center (McGuire) has determined that the three high priority water quality issues that contribute to the discharge of stormwater at the facility are:</p> <ul style="list-style-type: none"> <li>• Reducing total suspended solids (TSS) concentrations in stormwater</li> <li>• Illicit Discharges</li> <li>• Reducing local bacterial TMDLs</li> </ul> <p>Total Suspended Solids (TSS) are solids such as tire dust, soil, and other particulates that remain suspended in stormwater and do not dissolve. Numerous parking lots are present at McGuire and generate TSS in stormwater. In addition, TSS can enter stormwater when construction is occurring or when land is disturbed. The target audience for reducing TSS concentrations at the facility include the maintenance staff and contractors performing work at the facility.</p> <p>While there have not been documented illicit discharges in the past there is a possibility of illicit discharges at the facility. These discharges include the potential for contaminants to enter stormwater drains during dry weather periods. The target audience for illicit discharges is the maintenance staff, contractors performing work at the facility, engineering staff, GEMS committee, and the public.</p> <p>Total bacterial TMDLs are established for the receiving stream from the stormwater outfall at the facility. Bacteria can enter</p>

	<p>stormwater from animal waste. The target audience for reducing total bacteria TMDLs is the lab staff and the public. The Green Environmental Management System (GEMS) committee continues to implement the greening of federal facilities. The GEMS committee currently addresses stormwater issues on the ground at McGuire. The LED Notice Boards at the public entrances to the facility continue to be used to inform employees as well as the local community about stormwater topics such as lawn care, car maintenance, and illicit discharges. In addition, GEMS training continues for new employees during new employee orientation. As part of this training, employees are informed of the importance of preventing spills from entering storm drains including spill notification and cleanup. The education and outreach activities to be conducted during the next reporting period include LED Notice Boards at public entrances, new employee orientation training, annual hazardous pharmaceutical waste training, guidance regarding medical/chemotherapy waste disposal, as needed, and refresher training to lawn care staff regarding mowing practices.</p>
<p>Permit Condition Section II. B. (2) (d) – Implementation of Minimum Control Measures- Public Involvement/participation</p>	<p><b>Web Link to the MS4 Program Plan and annual report -</b></p> <p>The MS4 Annual report is available on the shared Drive. The shared drive may be accessed by the public ( or “the resident and employee population within the fence line of the facility”) as defined in Section II B. of McGuire’s General MS4 permit.</p> <p><b>Four Local Activities aimed at increasing public participation to reduce stormwater pollutant loads, improve water quality, and support local restoration and clean-up projects, programs, groups, meetings, or other opportunities for public involvement:</b></p> <ol style="list-style-type: none"> <li>1) McGuire implemented new controls at the Laundry facility to recirculate hot water and reduce chemical usage. This reduces water consumption.</li> <li>2) Earth Day 2014 – Trees were planted to create an arboretum in the vicinity of building 508 or the COOP building. The COOP building also has a rain garden for stormwater collection/retention.</li> <li>3) Medication Collection Program – McGuire has a program to collect unused medication and/or syringes from patients. This programs reduces the likelihood chemicals associated with medications will reach groundwater.</li> <li>4) Representatives from McGuire VA Medical Center visited the Community Based Outpatient Clinics (CBOCs) to evaluate current waste management practices and ensure all wastes are properly disposed.</li> </ol>

Permit Condition Section II. B. (3) (f) – Implementation of Minimum Control Measures -Illicit discharge detection and elimination	1) <b>List of written notifications of physical interconnection given by the operator to other MS4s</b> – No written notifications were sent by McGuire during this reporting period. 2) <b>Total # of outfalls, screening results and any follow-up actions</b> – McGuire only has 1 MS4 outfall. Testing for TSS, Phosphorus and Nitrogen has been scheduled for the week of October 6, 2014. 3) <b>Summary of investigations conducted of any suspected illicit discharges, resolution and date investigation was closed.</b> – No illicit discharges were suspected during the reporting period.
Permit Condition Section II. B. (4) (f) – Implementation of Minimum Control Measures - Construction site stormwater runoff control	<b>Total # of regulated land-disturbance activities:</b> 2 (Renovations Hospital Sections 2B, and 1F) <b>Total # of acres disturbed</b> – 0.5 <b>Total # of inspections conducted</b> – Approximately 52. The Engineering/Safety Section conducts weekly inspections. <b>Total # of enforcement actions, Type of enforcement actions</b> - 0 <b>Summary of enforcement action</b> – N/A
Permit Condition Section II. B. (5) (e) (9) – Implementation of Minimum Control Measures – Stormwater Management Facility Tracking and Reporting Requirements	Updated electronic database of all known operator-owned and privately-owned stormwater management facilities that discharge into the MS4.
Permit Condition Section II. B. (6) (g) Pollution Prevention/good housekeeping for municipal operations	Not Applicable. McGuire VA Medical Center is not a municipal operation.